EXHIBIT A

2.

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INTEL INVENTION DISCLOSURE

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It is important to provide accurate and detailed information on this form. The information will be used to evaluate your invention for possible filing as a patent application. When completed and signed, please return this form to the Legal Department at JF3-147. If you have any questions, please call 264-0444.

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Last i	vame .	First Name	
Phone(858) 385-4552	M/S:SN1-01	First Name Fax#_(858) 385-4498_	_C
Citizenship:USA	WWID 10050112	Fax #(858) 385-4498Contractor: YES	
Inventor E-Mail Address: ter	nic o trugintal as	Contractor: YES	NO_X
Home Address:917 E. Catt	vis.c.tou@intel.com	1994	
City_ProentxState_	AZ Zip85048	Country_USA	
Supervisor Bill Atkinson	WWID	DivisioneWave S Phone(858) 385-4464	updivision
		(658) 385-4464	M/S:SN1-01
Inventor: Davenor	ort		
Last Na	ime	Mark First Name	D
Phone(858) 385-4551	M/S: SN1_01	Fax #(858) 385-4498	Middle Initial
Citizenship: USA	MANAGE 405750	(858) 385-4498	
Inventor F-Mail Address	WWID105752	Fax # (858) 385-4498 65 Contractor: YES	NO X
Inventor E-Mail Address:mail	k.d.davenport@intel.com		
City South to-	ansade view Dr. (moving		
	DIRECTOR OF CANA	P	
	ADO, NOG, CEG)NBG_	Country USA	B. 498. 4 - 4 .
oventor: Collins			
Last Na	ne	Paul PATENT First Name INTEL 11 Fax # (658) 38:	DATABASE GROUP
Phone(858) 385-4558	M/O Chia	INTEL	LEGAL NEAMhiti
Citizenshin: 115A	HAVE ASSESSED	7 Fax# (858) 38: 3 Contractor: YES	5-4498
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Competer Live I Comp	State _UT Zip84	006CountryUSA	
	IBG, NCG, CEG)NBG_	DivisioneWave S	ubdivision
Supervisor* Mark Davenn	nd MAND 40575	265 Phone(658) 385-4551	
watts outcomp	WWID105/5	²⁶⁵ Phone(658) 385-4551	M/S:SN1-01
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hat technology/product/proces			-
ude several key words to descr	ibe the technology area of the i	ovention in addition to # 2 shares	

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. '	į	wireless, antenna, PC Card, power switch, power control	INTEL CONFIDENTIAL		
	5.	Stage of development (i.e. % complete, simulations done, test chips if any, etc.) 10% complete, in prototype hardware development	and the second s		
Ī	6.	(a) Has a description of your invention been, or will it shortly be, published outside intel:			
		NO:XYES: If YES, was the manuscript submitted for pre-publication appro-	val?		
		(b) Has your invention been used/sold or planned to be used/sold by intel or others?	hay ma		
		NO: YES: X DATE WAS OR WILL BE SOLD:			

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	(c) Does this invention relate to technology that is or will be covered by a SIG (special interest group)/standard/ NO:X _YES: Name of SIG/Standard/Specification:
	(d) If the invention is embodied in a semiconductor device, actual or anticipated date of tapeout? N/A
_	a soliware, actual or anticipated date of any help feets putpide tests
.,	or in pariormance of a project involving entities other than intelliblue badge employee or consortia? NO:YES:X_ Name of individual or entity.
8.	Is this invention related to any other invention disclosure that you have recently submitted? If so, please give the title and

PLEASE READ AND FOLLOW THE DIRECTIONS ON HOW TO WRITE A DESCRIPTION OF YOUR INVENTION

Please attach a description of the invention to this form, DATED AND SIGNED BY AT LEAST ONE PERSON WHO IS NOT A NAMED INVENTOR, and include the following information;

Describe in detail what the components of the Invention are and how the invention works.

An antenna contained in a PC card form factor that when deployed (ejectable, pop-out, swing-out, flip-out, etc.) will also trigger power to be applied to the enclosed circuits, including the radio, both mechanically and through software control. See figure below for a pop-out antenna illustration (preferred mode).



In this scenario, in order to use the device, a user would deploy the antenna (popped-out in above illustration) and the action would power-on the PC Card device through both a mechanical switch and setting appropriate software registers for a clean power-on sequence. Conversely, when the user has completed using the device, the antenna would be stowed (pushed-in in above illustration) and the PC Card device would both set the appropriate software registers for a clean power-down sequence, as well as switch off the

Describe advantage(s) of your invention over what is done now.

To definitively and mechanically power down or cut power to a PC Card today, it must be either ejected, or an externally accessible miniature switch must be implemented (no known examples). This allows a single action in deploying an antenna which is needed in a wireless PC Card device to simultaneously apply power. And in reverse, the stowage of the antenna simultaneously turns off the power.

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 YOU MUST include at least one figure illustrating the invention. If the invention relates to software, include a flowchart or pseudo-code representation of the algorithm.

See above figure.

Value of your invention to Intel (how will it be used?).

Will be used for wireless PC Card products as a feature differentiator. Solves a concern from mobile PC users when they need to use a wireless PC Card. For example, wireless devices on board and airplane must be turned off during takeoff and landing. This invention helps assure that the radio is indeed turned off as the antenna will be stowed.

 Explain how your invention is novel. If the technology itself is not new, explain what makes it different.

Antenna stowage assures radio is not emitting.

6. Identify the closest or most pertinent prior art that you are aware of.

7. Who is likely to want to use this invention or infringe the patent if one is obtained and how would infringement be detected?

PC Card manufacturers. Products would appear in the market, or during industry level interoperability testing.

*HAVE YOUR SUPERVISOR READ, DATE AND SIGN COMPLETED FORM

DATE:

SUPERVISOR: \

BY THIS SIGNING, I (SUPERVISOR) ACKNOWLEDGE THAT I HAVE READ AND UNDERSTAND THIS DISCLOSURE, AND RECOMMEND THAT THE HONORARIUM BE PAID